THE TECH

VOL. XXVII. No. 76 BOSTON, MASS., WEDNESDAY, APRIL 29, 1908 PRICE THREE CENTS

FRESHMAN COMPETITION FOR MANAGERSHIP IS ON.

STARTS TODAY.

Candidates for Second Assistant Track Manager Called Out.

A call is issued for candidates for the position of second-assistant manager of the track team, to which a man from the freshman class will be elected. The competition starts today all men who wish to try for the position being expected to show up in 30 Rogers at one o'clock today to meet the manager and discuss the plans for the season.

It is important that all come out promptly for there is but a short while left before the close of the season and the meets are coming on soon. The contest with Maine is this Saturday and the Brown meet is but a week further off.

One man has reported for the competition but as yet no work has been assigned him so all men will start on an even footing. The position is one of considerable importance leading as it generally does to the position of track manager two years later and the freshman class should turn out a good number of candidates.

DARWINISM DENOUNCED.

Prof. Dwight Discusses Evolution from Standpoint of Churchman.

Dr. Thomas Dwight, professor of anatomy at Harvard, discussed evolution from the standpoint of a churchman at the Catholic Club last night. He pointed out clearly some of the absurdities of Darwinism and the good and bad points in many other theories.

Evolution as a gradual development is impossible. Sudden jumps, in particular the acquisition of the soul and mind of the human race, can alone satsfactorily explain anima. life. Species as a species were always independent of other forms. Use and not descent caused the formation of similar organisms.

After the eight o'clock mass to be held Sunday morning in the Washington Street Cathedral, breakfast will be served and the election of the club officers for the next year will be held.

COLLEGE MEN TO CONFER.

Episcopalians Will Meet At Harvard Next Saturday.

Every student in the New England colleges who is a member of the Episcopal Church, is invited by the Brotherhood of St. Andrew to attend a conference at Phillips Brooks House, Harvard University, on next Saturday and Sunday. Entertainment without expense will be provided for all who will, on or before April 29, send notice of their intentions to attend to Floyd W. Tomkins, Jr., Harvard University, Cambridge.

The conference will open in the Harvard Union at 1 o'clock Saturday with an address of welcome by Robert H. Gardiner, president of the Brotherhood of St. Andrew. At 2.30 P. M. in Brooks House, "The College Church Society or Brotherhood, Its Purposes and Its Work" will be discussed by the presidents of college chapters of the brotherhood, including H. B. Barton of Harvard, Alfred A. Biddle of Yale, Harold E. Weeks of the Institute, J. Nevin Sayre of Princeton and Williams, and Charles S. Hale of Dartmouth. At 5 P. M. Prof. C. S. Baldwin of Yale and Rev. Hugh McIlhany of the University of Virginia will speak on "Religious Life in School and College."

Dinner at the Harvard Union at 6 o'clock will be followed by a smoke-talk by the Rev. P. M. Rhinelander of the Episcopal Theological School on "The Bible in the Church." In the

(Continued on page 3.)

ADVERSITY DEVELOPS BRAINS AND NERVE.

APATHY CAUSE OF GRAFT.

Charles Jesup Gives Duties of American Citizenship.

Charles M. Jesup's talk on the "Responsibilities of American Citizenship" stired up a good deal of enthusiasm at the convocaton yesterday. He introduced his subject as the result of practical ideas gained through experience.

Mr. Jesup first touched on immigra-

(Continued on page 2.)

BROOKLINE TROUNCES SOPHS.

Hard Luck Hits 1910 From Start to Finish.

In a hard luck game from start to finish the sophomores met their worst

W. J. O'HEARN 1910.

defeat of the season yesterday. Brookline High defeated them 7 to 1. The fielding of Gallet was Brookline's best performance, while O'Hearn played his usual star game for 1910.

Summary:

BROOKLINE.

	ab	bh	po	a	e
Donahue, c ...	4	0	5	0	0
Mason, cf	2	0	2	0	0
Elliott, l	3	1	8	0	0
Dooley, 3	2	0	2	2	1
Kerrigan, ss ...	3	1	2	1	2
Gallet, rf	4	1	0	0	0
O'Hearn, lf ...	2	0	1	0	0
Greenwood, 2 .	3	1	0	1	0
Brennan, p ...	3	1	0	0	0
Carr, p	0	0	1	1	0
Totals	26	15	21	5	3

SOPHOMORES.

	ab	bh	po	a	e
Billings, 2	3	1	4	1	1
Dillon, ss	4	1	3	1	0
O'Hearn, c	4	0	6	3	1
R. Jones, rf ..	3	2	0	0	0
Howe, 3, p ..	4	1	1	0	0
Maxcy, p, ss ..	2	0	2	1	0
Green, l	4	0	5	0	1
Walley, cf	4	1	0	0	0
Harrison, rf ...	3	1	0	0	0
Totals ...	31	7	21	6	4

Innings ..	1	2	3	4	5	6	7
Brookline	0	3	0	1	0	1	2—7
Tech 1910 ...	0	0	0	0	0	2	2—4

Runs earned—Brookline 3, Sophs 1. Two-base hits—Howe. Stolen bases—Brennan, O'Hearn, Jones, Waller, Mason, Elliott 2, Dooley, Kerrigan. First base on balls—Off Maxcy 6, off Brennan 2. First base on errors—Brookline 1, Sophs 1. Struck out—By Brennan 3, by Carr, by Maxcy 6. Time 1h. 58m. Umpire—Clune. Attendance—100.

TRACK MEET WITH MAINE COMES OFF ON SATURDAY.

HARD CONTEST EXPECTED.

Tech Team Much Weakened by Poor Condition of Men.

With the Maine meet this coming Saturday the season of outside track competition for the track competition starts in real earnest. The Brown meet follows close on the heels of this contest a week later.

The contest with the team from Orono, Maine, does not promise to be as one-sided an affair as it was last year. In fact the indications are that it will be a track meet of the first order and of great interest.

Technology has been greatly weakened by the loss of White who has been badly laid up lately and who will be unable to compete Saturday. Fernstrom also has not been in good condition. The shape of both these men at this time is probably attributable to their part in the show.

From some of the members of the team some fine performances can be expected but the great majority of the men did not come out as early as they should have and they have been very slack in their work and their attendance on practice. For this reason some disappointments can be expected.

There will be no reserved seats for this meet and general admission tickets good for the grand stand will be sold for fifty cents. They will be on sale during the week.

NEW COURSE SOCIETY GROWING.

Biological Society is Realizing Its Object.

Organized on a permanent basis Jan. 7, 1908, the Biological Society has enjoyed a rapid and successful growth, and now stands as the representative professional society of Course VII, and to some extent of Course XI, on a level with the other course societies of the Institute.

The society rose from an informal dinner of the department of biology, held last December, which emphasised the need for some social meeting ground for the students and instructors in biology and allied subjects. This object has been well realized, as well as the more professional one of giving the men opportunity to come in touch with graduates and others in active practice.

All men registered in Course VII, Course XI, or the sanitary option of Course V, are elegible to regular membership. Others interested may become associate members. The society aims to bring theory and practice closer together in emphasising the value of applied biology, so that those interested in sanitary engineering will find it of special value.

At the first dinner, held at the Union, Feb. 19, Prof. Sedgwick, head of Course VII, was the speaker, drawing a highly encouraging picture of the outlook for applied biology in the twentieth century. At the second dinner W. Lyman Underwood, the naturalist and amateur photographer, gave a talk entitled "With Canoe and Camera in the Wilds of New Brunswick," which he illustrated with remarkable color views.

The last dinner of the year will be held at the Union, Thursday, April 30, at 6.30 P. M. This will be followed by an illustrated lecture on "Typhoid Fever" by George C. Whipple, the prominent sanitary engineer of the firm of Hazen and Whipple, New York. Mr. Whipple is a graduate of Course I, 1888. He is just publishing an important book on "Typhoid Fever" and will make this the occasion of the first public lecture on the substance of his book.

In view of the valuable nature of his lecture and the chance to become acquainted with the object of the society, non-members will be welcome if they will purchase tickets at 50 cents at the Biological Library before 2 P. M. April 29. Civil and sanitary engineers should be especially interested.

SHOULD HAVE AVOCATION AS WELL AS VOCATION.

ADVICE OF PROF. THORPE.

At Dinner of Chemical Society. Many Good Speeches. Election of Officers.

With J. F. Norton 1906 as toastmaster, the chemical society held a banquet at the Union last night. The annual elections were announced as follows: President, C. H. Pope 1909; vice-president, W. J. Kelley 1909; treasurer, C. W. Gram 1909; secretary, C. S. Robinson 1909, and L. J. D. Healy 1909, members of the executive committee.

Doctor Talbot advised the upholding of the dignity of the chemical engineer. Dr. Gill spoke of the value of a thorough familiarity with the tools and instruments of a laboratory, while Dr. Walker talked on the American Chemical Society, advising all graduates of Courses V and X to become members. Mr. Charles Field gave an interesting account of some of his western experiences.

Dr. F. H. Thorpe gave a talk upon "The Self-Made Man.' He said that every one should learn to meet and judge his fellow men, and should acquire tact. He should take an interest in his surrounding affairs and get outside of his routine work; should have an avocation as well as a vocation. Every chemical engineer ought to do judicious reading outside of his own particular line of work. Societies, too, are beneficial. Among other things they make friends for a man and friends are valuable assets. Dr. Thorpe urged all to get what pleasure they could out of life now. "You are living your life for the last time" and should take advantage of oportunities while they are here.

The menu cards yere headed "A Titration of Chemical Spirits vs. Pure Food in 1-2N Beer." They were well worked up as experiment instructions with a description of the method of treatment of "Slaughter House Residues," "Dehydrated Cake" and "Anhydrous Crackers."

1910 TECHNIQUE EDITORS.

Electoral Committee Names Four Leaders. Quick Work.

At a meeting of the 1910 Technique electoral committee yesterday Forrester B. Avery, Clifford C. Hield, Douglas C. McMurtrie, and Philip D. Terry were elected editors. Those nominated on the first ballot were F. B. Avery, C. E. Creecy, G. S. Emerson, R. F. Goodwin Jr., C. C. Hield, H. C. Manson, J. H. Ruckman. D. C. McMurtrie was added on the second ballot.

Editor-in-Chief, associate editor, grind editor, and history editor will be elected from the four above mentoned.

LOCAL FEELING TOO STRONG.

American Colleges Think Too Much of Themselves Says Prof. Sumner.

That the students, alumni and faculty of American colleges are too narrowly attached to their own institutions was a point brought out by Prof. John H. Sumner of the history department in a talk before the Walker Club last evening. The talk was informal, the speaker giving some deeply interesting anecdotes from his travels in Europe and South America.

The point in regard to the intense local feeling in American colleges Prof. Sumner brought out by a short comparison of the German and American university ideals.

In the former case the German students and faculties were loyal to the general university ideal. Their loyalty was not to a single institution but to the whole university world and what it stood for. The faculties of German universities together with the students and alumni combined to use their power in the state for the advancement of learn-

(Continued on page 3.)

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Wednesday, April 29, 1908.

WHERE?

All are wondering in what pigeon hole or tangle of red tape the official poster boards have been lost. Some time ago, after many complaints and suggestions, the Institute Committee laboriously decided that the present system of postering was wrong and that official boards should be placed in every building. Drawings were made of these boards and, 'tis said, that suggestions were made to the Faculty.

Nothing has been heard of the boards by the Bursar who has charge of repairs and construction. The Institute Committee claim individually that the matter is in the hands of the Faculty. With the necessary postering for spring games, meets, dinners, and meetings these boards are necessary. Where are these boards?

RESOLUTIONS.

Whereas, It has seemed just to His Infinite Majesty, Almighty God, to summon Walter Doane from our midst, be it

Resolved, That the class of 1911, Massachusetts Institute of Technology, has lost a most sterling member and loyal comrade; and be it further

Resolved, That the class of 1911 extend to his bereaved family its profound and heartfelt sympathy in this their hour of loss.

S. P. KIMBALL,
W. J. STAMPER,
P. A. CUSHMAN,
K. BARR,
B. LAWRENCE.

In behalf of the Class of 1911.

ADVERSITY DEVELOPS.

(Continued from page 1.)

tion, saying that the average man of the 1,250,000 immigrants that annually pour into the city of New York is totally ignorant of the country's laws and cannot learn these by any other means than the example set by the citizens.

Concerning capital and labor he said, "Capital needs labor and labor needs capital. The two must not be estranged but brought together."

"Anarchy," said Mr. Jesup, "has nothing to do with the American citizen, and the best citizens will see that it is crushed out. We need poltical, financial, and commercial integrity. Responsible citizens will keep all obligations.

"Natonal adversity develops men of brains and nerve. National prosperity brings the times when men run riot and brings responsibility with opportunities."

Mr. Jesup placed the American citizen's responsibility first in his home, saying that any man who can be untrue to his own home cannot be true in the outside world, and that the community is directly influenced by every home in it. A man's second duty is to his community and the shirkers are directly responsible when the wrong man gets into office.

"The principles underlying business and professions," said Mr. Jesup, "are identical. An honest man cannot be bought. The trouble nowadays is that men are too eager to follow the Golden Calf rather than the Golden Rule. The politician works for himself first and for his country afterwards if it pays. The statesman works for his country first, last, and always. We must have responsible men in politics, in state and national legislatures. Most of us fall down at the primaries by not scratching out worthless men.

"Apathy is the cause of graft, and the bigger per cent of national grievances. Let us all have grit to form convictions with regard to citizenship, and then grit to hold them in the face of all opposition. Let us have the grace to exalt manhood, to dignify character, that there may be something to outlive us and go down through the ages, developing force and potential power."

AERIAL BLANKET INVESTIGATED.

Important Thesis by Howe. Purified Water Among Other Biology Subjects.

Among the theses of the department of biology, one of the most interesting is E. C. Howe's consisting of investigations of the "aerial blanket" and its relation to the hygiene of heating and ventilation. In connection with this work. Howe has invented a new portable apparatus for determining the carbonic acid in air, and he is at present perfecting the mechanical details of the apparatus before beginning exact measurements of the composition of the aerial blanket under various conditions.

Another important investigation is being carried on by Scott MacNutt (A. B. Harvard 1905), who is making a statistical investigation of the effect of purified water supplies upon the deathrate from various diseases.

L. T. Walker has for his subject an investigation in pure science of the phenomena of variation as observed in two strains of paratyphoid bacilli; and E. J. Tully is engaged in a search for the bacterial ferments of cellulose.

PRACTICAL LECTURE IN COURSE VI.

Mr. A. S. Michener, comptroller of the Stone & Webster Corporation recently delivered a lecture to the senior class on "The Philosophy of Accounting and the Relation of the Accounting Department with the Executive and Engineering Department." This is one of a series of lectures delivered by practical men in Professor Jackson's course on Electric Light and Transmission of Power.

Professor Jackson is to visit Chicago shortly to make arrangements regarding the cost accounting of the Chicago Telephone Company. Professor Jackson is also making plans for the appraisal of the telephone property in the state of Massachusetts.

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COMMUNICATION.

To the Editor of The Tech,
Dear Sir:—

As I watched the fellows, last Thursday, go through their songs and dances in a way so admirable that it would have put many a professional actor to shame, I asked myself the following question: If Tech is able to produce a theatrical team of such high calibre, why can't Tech turn out a varsity baseball team of the same high standard

It is true that we have a track team, a basketball team, a fencing team, a hockey team, and a rifle team, but the fact is none of these sports appeal strongly to the mass of fellows. But baseball—well baseball acts like a magnet, for it draws the boys in such a way that they can't resist it.

And so why can't Tech have a varsity team which could compete with the other New England collegiate teams? Is it because we lack the talent? Surely we ought to be able to pick a nine from 1200 students. Is it because we lack the money to carry the project through? Twenty-five cents from every member of the school would be more than sufficient to pay for all necessary expenses. Or is it because we haven't got the required time? Indeed, if 60 or 70 fellows can spare 2 hours a day for 50 or 60 days practicing singing and dancing, surely 12 or 15 fellows can spare the same amount of time and give Tech a good varsity baseball team.

S. Paul Vecker 1910.

NEW DEMONSTRATION APPARATUS.

Commutation Device Designed in Electrical Engineering Department.

Demonstration apparatus, recently commented upon in the Electrician and the Revue Electrique, has been constructed in the electrical engineering department and is designed for the purpose of illustrating the theory of commutation.

The apparatus consists of two parts, one of which shows how commutation with a low resistance metallic brush is affected by the magnitude of the reversing E. M. F., by the self-inductance of the coil, by the magnitude of the current to be reversed and by the time available for commutation, while the other shows how commutation is assisted by a brush of high contact resistance independently of all other factors.

LOCAL FEELING.

(Continued from page 1.)

ing, education or whatever might happen to be of especial interest to them as a class.

In America because of athletic contests and jealousies arising therefrom, the colleges, their faculties and students took a petty stand, making their own institution as such greater than the educational whole. There is no such union of spirit among the faculties of the colleges in America as is seen in German universites. Prof. Sumner felt that a great deal would be done if the American institutions could take on more of the German university attitude.

In his talk he covered a voyage to Brazil, a tramp through the Alps into Italy, a bicycle tour through southern Germany, and a trip to Florence. He gave rather the interesting incidents that came up on these trips, with a general discussion on European travel.

COLLEGE MEN TO CONFER.

(Continued from page 1.)

evening the conference in Brooks House will be resumed.

The program for Sunday includes corporate communion at Christ Church, Cambridge, at 8 A. M., breakfast at the Harvard Union at 9, Morning Prayer at Christ Church at 10.30, dinner at the Harvard Union at 1.30 P. M., and evening prayer and sermon at the church at 4. Robert H. Gardiner will conduct the farewell meeting in Brooks House at 5 P. M.

INTERSCHOLASTIC DRILL.

Annual Prep School Competition at Armory Today.

Under the auspices of the freshman batallion the anual interscholastic drill will be held this afternoon at the armory. Squads of three men have been entered from schools all over New England. Cups will be awarded to the winning squad, and individual.

Regular drill will not begin until three o'clock when batallion manoeuvers will occupy a half hour followed by the schoolboy competition. Admission will be charged to those not members of the batallion.

The Technology Review

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DEVOTED TO THE INTERESTS OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY
AND
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The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

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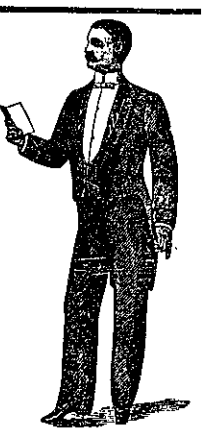

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CALENDAR.

Wednesday, April 29.

1.00 P. M. Candidates for Assistant-Manager Meet in 30 Rogers.

1.30 P. M. Glee Club Rehearses in 26 Rogers.

3.00 P. M. Annual New England Interscholastic Prize Drill at the Armory.

3.00 P. M. Track Team Practices at the Field.

4.15 P. M. 1910 vs. Roxbury High School at the Field.

Thursday, April 30.

1.30 P. M. Glee Club Rehearses in 26 Rogers.

1.30 P. M. Y. M. C. A. Meets in Trinity Church Library.

3.00 P. M. Track Team Practices at the Field.

4.15 P. M. Mandolin Club Rehearses in 31 Rogers.

6.30 P. M. Biological Society Dines at the Union.

Friday, May 1.

1.30 P. M. Glee Club Rehearses in 26 Rogers.

4.15 P. M. Banjo Club Rehearses in 33 Rogers.

NOTICES.

GLEE CLUB.—Rehearsal daily at 1.30 in 26 Rogers.

NEWTON HIGH SCHOOL.—The annual dinner of the Newton High School Club will be held on Friday evening, May 15 at the Union. Tickets may now be had from Bullens 1909, Chipman 1907, F. M. Green 1909, White 1909, Fuller 1911.

CATHOLIC CLUB.—Communion will be given the club in a body on Sunday morning at 8 o'clock mass at the cathedral. Every Catholic will please receive communion at this meeting whether he has already received it or not.

Y. M. C. A.—Mr. G. W. Mehaffey, general secretary of the Boston Association will speak at the weekly meeting tomorrow in the library of Trinity Church at 1.30 P. M. The annual Y. M. C. A. dinner will be held May 5 at

CLASSIFIED ADS.

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LOST.—Raincoat at Tech Field, last Saturday. Please return to Cage.

FOR SALE.—Technique 1909 has a few subscriptions to the Engineering Record, the Street Railway Journal, and the Electrical World, which will be sold at $2.50 as long as they last. Regular price $3.00.

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